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DDA REGISTRY
FILE: 45-1

ROUTING AND RECORD SHEET

SUBJECT: (Optional)

Water Leak of 1 Feb. 1985

85-0469

FROM:	EXTENSION	NO.
C/HOME 3E-14 Hqs.		DATE 5 Feb 85

STAT

TO: (Officer designation, room number, and building)	DATE RECEIVED	DATE FORWARDED	OFFICER'S INITIALS	COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)
1. ADDA	5 FEB 1985			Sir: Here is an MFR from NBPO concerning the water leak of 1 Feb. 1985. As you can see from the memo, eventually the entire system will be redundant and hopefully until that time we won't experience another freak accident such as this one. Harry
2. DDA	6 FEB 1985			
3. Log + file				
4. Registry - file				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				

FORM 1-79 **610** USE PREVIOUS EDITIONS

GPO : 1983 O - 411-632

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DD/A Registry
85-0469

4 February 1985

MEMORANDUM FOR THE RECORD

SUBJECT: Report of Water Leak on Construction Site
1 February 1985

1. At approximately 1330 hours on 1 February 1985, the Bid Package No. 3 contractor, MCI Constructors, Inc., bumped a 2" diameter pipe and valve assembly on the condenser water system causing a water leak to develop. This accident occurred while the contractor was removing HVAC ductwork in the Powerhouse.

2. When the leak developed, a MCI worker held the pipe and valve assembly against the pipe to minimize the water leak. The air conditioning system stayed in operation because the system, through its make-up water supply, was able to offset the leakage. At this point, Allied began to start the backup chiller systems in the main building thereby shedding load off of the Powerhouse system. A chiller valving sequence was performed, but due to existing valves not holding, the water pressure did not drop off sufficiently to allow the repair to be made. During this valving sequence, the chillers remained in operation.

3. At approximately 1500 hours the condenser system was secured and draining begun, and at approximately 1545 hours the repairs were completed by MCI Constructors and the chillers restarted. The pipe and valve assembly was examined afterwards and found to be so badly corroded that it is likely that the water leak would have occurred had someone barely nudged the valve.

4. This condenser system is in the process of being totally replaced with a "dual header" system which would enable the operators to valve over to a different piping system if a water leak such as this occurs in the future. This would allow for repairs to be made without affecting the operation of the chilled water system.

STAT

Project Engineer, New Building Project Office

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